

## LICENSEE EVENT REPORT (LER)

|  |        |  |                |                   |                 |                  |                 |           |                |                                      |  |                               |                  |  |     |      |
|--|--------|--|----------------|-------------------|-----------------|------------------|-----------------|-----------|----------------|--------------------------------------|--|-------------------------------|------------------|--|-----|------|
| FACILITY NAME (1)<br>Pilgrim Nuclear Power Station - Unit 1                                      |        |  |                |                   |                 |                  |                 |           |                | DOCKET NUMBER (2)<br>0 5 0 0 0 2 9 3 |  |                               |                  | PAGE (3)<br>1 OF 02  |     |      |
| TITLE (4)<br>CRD Collet Retainer Tube Weld Defects   |        |  |                |                   |                 |                  |                 |           |                |                                      |  |                               |                  |  |     |      |
| EVENT DATE (5)   |        |  | LER NUMBER (6) |                   |                 |                  | REPORT DATE (7) |           |                | OTHER FACILITIES INVOLVED (8)        |  |                               |                  |  |     |      |
| MONTH  | DAY    | YEAR   | YEAR           | SEQUENTIAL NUMBER | REVISION NUMBER | MONTH            | DAY             | YEAR      | FACILITY NAMES |                                      |  |                               | DOCKET NUMBER(S) |  |     |      |
| 08   | 22     | 84   | 84             | 010               | 00              | 09               | 20              | 84        |                |                                      |  |                               | 0 5 0 0 0        |  |     |      |
| OPERATING MODE (9)   |        | THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11) |                |                   |                 |                  |                 |           |                |                                      |  |                               |                  |  |     |      |
| POWER LEVEL (10)   |        | 20.402(b)  |                |                   |                 | 20.405(c)        |                 |           |                | 50.73(a)(2)(iv)                      |  |                               |                  | 73.71(b)   |     |      |
| 0 0 0  |        | 20.405(a)(1)(i)  |                |                   |                 | 50.38(c)(1)      |                 |           |                | 50.73(a)(2)(v)                       |  |                               |                  | 73.71(c)   |     |      |
|  |        | 20.405(a)(1)(ii)   |                |                   |                 | 50.38(c)(2)      |                 |           |                | 50.73(a)(2)(vii)                     |  |                               |                  | OTHER (Specify in Abstract below and in Text, NRC Form 366A) |     |      |
|  |        | 20.405(a)(1)(iii)  |                |                   |                 | 50.73(a)(2)(i)   |                 |           |                | 50.73(a)(2)(viii)(A)                 |  |                               |                  |  |     |      |
|  |        | 20.405(a)(1)(iv)   |                |                   |                 | 50.73(a)(2)(ii)  |                 |           |                | 50.73(a)(2)(viii)(B)                 |  |                               |                  |  |     |      |
|  |        | 20.405(a)(1)(v)  |                |                   |                 | 50.73(a)(2)(iii) |                 |           |                | 50.73(a)(2)(x)                       |  |                               |                  |  |     |      |
| LICENSEE CONTACT FOR THIS LER (12)   |        |  |                |                   |                 |                  |                 |           |                |                                      |  |                               |                  |  |     |      |
| NAME<br>Richard M. Schifone  |        |  |                |                   |                 |                  |                 |           |                | TELEPHONE NUMBER                     |  |                               |                  |  |     |      |
|  |        |  |                |                   |                 |                  |                 |           |                | AREA CODE<br>617 714 61-17191010     |  |                               |                  |  |     |      |
| COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)                       |        |  |                |                   |                 |                  |                 |           |                |                                      |  |                               |                  |  |     |      |
| CAUSE  | SYSTEM | COMPONENT  | MANUFACTURER   | REPORTABLE TO NRC |                 | CAUSE            | SYSTEM          | COMPONENT | MANUFACTURER   | REPORTABLE TO NRC                    |  |                               |                  |  |     |      |
| X  | AA     | RC T G   | 082            | Y                 |                 |                  |                 |           |                |                                      |  |                               |                  |  |     |      |
|  |        |  |                |                   |                 |                  |                 |           |                |                                      |  |                               |                  |  |     |      |
| SUPPLEMENTAL REPORT EXPECTED (14)  |        |  |                |                   |                 |                  |                 |           |                |                                      |  | EXPECTED SUBMISSION DATE (15) |                  | MONTH  | DAY | YEAR |
| <input checked="" type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)              |        |  |                |                   |                 |                  |                 |           |                |                                      |  | NO                            |                  | 12   | 14  | 84   |
| ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16) |        |  |                |                   |                 |                  |                 |           |                |                                      |  |                               |                  |  |     |      |

On 3/22/84, during a refuel outage, it was determined that a CRD collet retainer tube had a 3/16" to 1/4" transverse through-wall crack. The crack was located in the lower shoulder attachment weld within one inch below the lower shoulder. This is an area of "No Indications Allowed" per GE SIL No. 139, Supplement 4.

This retaining tube is of the improved design manufactured with Cast 304L stainless steel. The immediate corrective action was to declare the retainer tube in nonconformance and schedule it for replacement during the current refueling outage.

The determination of the cause is pending completion of an evaluation by General Electric.

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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

|  |  |                |                      |                    |          |        |
|--|--|----------------|----------------------|--------------------|----------|--------|
| FACILITY NAME (1)<br><br>Pilgrim Nuclear Power Station -<br>Unit 1 | DOCKET NUMBER (2)<br><br>0 5 0 0 0 2 9 3 | LER NUMBER (6) |                      |                    | PAGE (3) |        |
|  |  | YEAR           | SEQUENTIAL<br>NUMBER | REVISION<br>NUMBER |          |        |
|  |  | 8 4            | - 0 1 0              | - 0 0              | 0 2      | OF 0 2 |

TEXT (If more space is required, use additional NRC Form 366A's) (17)

On 8/22/84, during a refuel outage, it was determined that CRD Collet Retainer Tube (Serial Number 8311) had a 3/16 to 1/4 inch transverse, through-wall crack. The crack was located in the lower shoulder attachment weld, within one inch below the lower shoulder.

The above retainer tube is of the improved design manufactured with Cast 304L stainless steel, which is designated by GE as XM-19. The through-wall crack was discovered while surface conditioning the tubes to determine the extent of liquid penetrant test indications. The indications on #8311 were probed through the root of the weld, and visually rejected per General Electric Service Information Letter #139, Supplement 4.

The determination of the cause is pending completion of an evaluation by General Electric and will be addressed in an update report. The immediate corrective action was to declare #8311 CRD Collet Retainer Tube in nonconformance and schedule it for replacement during the current refueling outage.

There have been no other previously identified significant defects with the improved (Cast 304L/XM-19) CRD Collet Retainer Tubes.

This event did not impact the health and safety of the public.

BOSTON EDISON COMPANY  
800 BOYLSTON STREET  
BOSTON, MASSACHUSETTS 02199

WILLIAM D. HARRINGTON  
SENIOR VICE PRESIDENT  
NUCLEAR

September 20, 1984

BECo Ltr. #84-151

Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

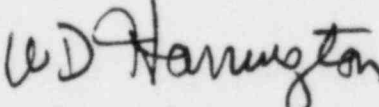
Docket Number 50-293  
License DPR-35

Dear Sir:

The attached Licensee Event Report 84-010-00, "CRD Collet Retainer Tube Weld Defect," is hereby submitted in accordance with the requirements of 10CFR50.73.

If there are any questions on this subject, please do not hesitate to contact me.

Respectfully submitted,

  
W. D. Harrington

RS:caw

Enclosure: LER 84-010-00

cc: Dr. Thomas E. Murley  
Regional Administrator, Region I  
U.S. Nuclear Regulatory Commission  
631 Park Avenue  
King of Prussia, PA 19406

Standard BECo LER Distribution

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